



Roof System Assessment Report of Wind Uplift Resistance

LLS Document Number: RAP-DRU240663
Publication date: March 25, 2013
Revised:
Revaluation: March 25, 2016
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Manufacturer:

SOPREMA INC.

Authorized membrane production sites: Drummondville, QC, Chilliwack, BC, Wadsworth OH, Gulfport MS

Roofing System Summary: « Sopraboard on wood deck »

- | | |
|------------------------|----------------------------------------------|
| - Cap sheet membrane: | Sopralene Flam 250 GR or equivalent membrane |
| - Base sheet membrane: | Sopralene Flam 180 or equivalent membrane |
| - Support panel: | Sopraboard or equivalent product |
| - Insulation: | Sopra-ISO or equivalent product |
| - Vapour barrier: | Sopravap'r or equivalent membrane |
| - Thermal barrier: | N/A |
| - Decking: | Standard wood deck |
- Dynamic Uplift Resistance (DUR) as per CSA A123.21-10 standard:
System A: -4.0 kPa (-83.3 psf)

- Notes: **Equivalent products:**
Only equivalent products included into the roofing system's report are admissible.

Optional components:

Components of the roofing system designated as optional may be included or excluded from the roofing system which will not change the published dynamic uplift resistance (DUR).

Safety factor:

As required by in the CSA A123.21 standard, the published dynamic uplift resistance (DUR) are reduced by a safety factor of 1.5.(SF of 1.5)

Admissible wind uplift load calculation:

An online calculator is available at www.sigders.ca. The user will have to provide the following information:

- building location;
- building geometry;
- building exposure;
- building openings;
- building importance factor.

The calculator will display the allowable design load of the roof's field surface, edges and corners as well as the dimensions of the edge and corner zones.

Technical Advisories:

Assessment reports must be read in conjunction with technical advisories issued by Les Services **exp** inc.

Values

For this document, the metric values are the standard and values in parentheses are for information only.

Notice

Les Services **exp** inc. reserve their right to withdraw, without prior notice, the test report performed as per CSA A123.21 standard



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Decking:

- Supplier: CANPLY
- Decking type: Exterior Douglass fir plywood in accordance with CSA 0121, CSA 0151, CSA 0153 standards, like EASY T&G, DFP select grade.
- Thickness: 17 mm (5/8 in) minimum, correspondent to CSA 0121, CSA 0151, CSA 0153 standards with a load limit of L/180; 6 kPa (125 psf).
- Equivalents: Other deck with pull-out resistance equivalent to the one specified below.
- Attachment method: The deck's fastening to the supporting structure must be strong enough to resist wind uplift loads (adjusted as per NBC requirements).